

IN THE CLAIMS

Please cancel Claim 2. Please amend Claim 1 so that it reads as follows:

- C 1) (amended) A method of forming a synthesis gas from an exhaust gas stream of a plasma arc waste treatment system containing steam, carbon dioxide and carbon particles comprising the steps of:
- a. introducing the exhaust gas stream into a processing chamber, and
  - b. exposing the gas stream to microwave energy having sufficient power and for a sufficient period of time to induce the carbon particles to form said synthesis gas in a reaction with the steam and carbon dioxide.

IN THE SPECIFICATION

At page 6, line 6, please replace the comma in the number "9,750" with a decimal point so that it reads "9.750".

SUMMARY OF AMENDMENTS

Claim 1 has been amended to place the additional limitations that 1) the reactions of the claimed method result in the formation of a synthesis gas, 2) the reactions are conducted on the exhaust gas stream of a plasma arc waste treatment system, and 3) the reactions are between carbon particles, steam and carbon dioxide contained in said exhaust gas. Support for these amendments may be found at page 2, lines 25-30; page 3, lines 5-8 and lines 28-30; and page 4, lines 1-3 and 18-20. No new matter is added thereby. The limitations of prior claim 2 have been incorporated into Claim 1, and accordingly Claim 2 has been cancelled. Pursuant to rule 121(c)(3), the version of the amended claims to show changes made is submitted in a separate paper enclosed herein. The number "9.750" has been amended to correct a typographical error.

REMARKS